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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/783,580

DATE: 09/07/2001

TIME: 16:58:24

Input Set : A:\ES.txt

Output Set: N:\CRF3\09072001\I783580.raw

ENTERED

3 <110> APPLICANT: CORNETT, Lawrence
 4 HILLER, F, Charles
 5 JONES, Stacie
 7 <120> TITLE OF INVENTION: RECOMBINANT BETA2-ADRENERGIC RECEPTOR DELIVERY AND USE IN
 TREATING AIRWAY
 8 AND VASCULAR DISEASES
 10 <130> FILE REFERENCE: 023533/0113
 12 <140> CURRENT APPLICATION NUMBER: US 09/783,580
 13 <141> CURRENT FILING DATE: 2001-02-15
 15 <150> PRIOR APPLICATION NUMBER: us 60/182,502
 16 <151> PRIOR FILING DATE: 2000-02-15
 18 <160> NUMBER OF SEQ ID NOS: 17
 20 <170> SOFTWARE: PatentIn version 3.0
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 15
 24 <212> TYPE: DNA
 25 <213> ORGANISM: Unknown
 27 <220> FEATURE:
 28 <221> NAME/KEY: misc_feature
 29 <222> LOCATION: ()..()
 30 <223> OTHER INFORMATION: glucocorticoid response element ✓
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 34 <221> NAME/KEY: misc_feature
 35 <222> LOCATION: (7)..(9)
 36 <223> OTHER INFORMATION: The "N" at positions 7, 8 and 9 can be A, C, G or T
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 44 <211> LENGTH: 9
 45 <212> TYPE: PRT
 46 <213> ORGANISM: Unknown
 48 <220> FEATURE:
 49 <221> NAME/KEY: misc_feature
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 56 Tyr Pro Tyr Asp Val Pro Asp Tyr Ala
 57 1 5
 59 <210> SEQ ID NO: 3
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 65 <221> NAME/KEY: misc_feature
 66 <222> LOCATION: ()..()
 67 <223> OTHER INFORMATION: glucocorticoid response element ✓
 70 <400> SEQUENCE: 3
 71 cgagtaacgt gttct 15

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74 <210> SEQ ID NO: 4
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76 <212> TYPE: DNA
77 <213> ORGANISM: Unknown ✓
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80 <221> NAME/KEY: misc_feature
81 <222> LOCATION: ()..()
82 <223> OTHER INFORMATION: glucocorticoid response element ✓
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90 <211> LENGTH: 15
91 <212> TYPE: DNA
92 <213> ORGANISM: Unknown ✓
94 <220> FEATURE:
95 <221> NAME/KEY: misc_feature
96 <222> LOCATION: ()..()
97 <223> OTHER INFORMATION: glucocorticoid response element ✓
100 <400> SEQUENCE: 5
101 ttcaccaagt gtgct 15
104 <210> SEQ ID NO: 6
105 <211> LENGTH: 15
106 <212> TYPE: DNA
107 <213> ORGANISM: Unknown ✓
109 <220> FEATURE:
110 <221> NAME/KEY: misc_feature
111 <222> LOCATION: ()..()
112 <223> OTHER INFORMATION: glucocorticoid response element ✓
115 <400> SEQUENCE: 6
116 cacctcctgt gttct 15
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121 <212> TYPE: DNA
122 <213> ORGANISM: Unknown ✓
124 <220> FEATURE:
125 <221> NAME/KEY: misc_feature
126 <222> LOCATION: ()..()
127 <223> OTHER INFORMATION: glucocorticoid response element ✓
130 <400> SEQUENCE: 7
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134 <210> SEQ ID NO: 8
135 <211> LENGTH: 15
136 <212> TYPE: DNA
137 <213> ORGANISM: Unknown ✓
139 <220> FEATURE:
140 <221> NAME/KEY: misc_feature
141 <222> LOCATION: ()..()
142 <223> OTHER INFORMATION: glucocorticoid response element ✓
145 <400> SEQUENCE: 8

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149 <210> SEQ ID NO: 9
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155 <221> NAME/KEY: misc_feature
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157 <223> OTHER INFORMATION: glucocorticoid response element ✓
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161 aatatacctgt ggtct 15
164 <210> SEQ ID NO: 10
165 <211> LENGTH: 15
166 <212> TYPE: DNA
167 <213> ORGANISM: Unknown ✓
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170 <221> NAME/KEY: misc_feature
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172 <223> OTHER INFORMATION: glucocorticoid response element ✓
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177 <222> LOCATION: (7)..(9)
178 <223> OTHER INFORMATION: The "N" at positions 7, 8 and 9 can be A, C, G or T
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187 <212> TYPE: DNA
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190 <220> FEATURE:
191 <221> NAME/KEY: misc_feature
192 <222> LOCATION: ()..()
193 <223> OTHER INFORMATION: glucocorticoid response element ✓
196 <400> SEQUENCE: 11
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200 <210> SEQ ID NO: 12
201 <211> LENGTH: 35
202 <212> TYPE: DNA
203 <213> ORGANISM: Unknown ✓
205 <220> FEATURE:
206 <221> NAME/KEY: misc_feature
207 <222> LOCATION: ()..()
208 <223> OTHER INFORMATION: glucocorticoid response element ✓
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215 <210> SEQ ID NO: 13
216 <211> LENGTH: 35
217 <212> TYPE: DNA
218 <213> ORGANISM: Unknown

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220 <220> FEATURE:
221 <221> NAME/KEY: misc_feature
222 <222> LOCATION: ()..()
223 <223> OTHER INFORMATION: glucocorticoid response element ✓
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231 <211> LENGTH: 35
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235 <220> FEATURE:
236 <221> NAME/KEY: misc_feature
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246 <211> LENGTH: 35
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251 <221> NAME/KEY: misc_feature
252 <222> LOCATION: ()..()
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263 <213> ORGANISM: Unknown
265 <220> FEATURE:
266 <221> NAME/KEY: misc_feature
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268 <223> OTHER INFORMATION: glucocorticoid response element ✓
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272 gggtgagctg ttct 14
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276 <211> LENGTH: 14
277 <212> TYPE: DNA
278 <213> ORGANISM: Unknown
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283 <223> OTHER INFORMATION: glucocorticoid response element ✓
286 <400> SEQUENCE: 17
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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/783,580

DATE: 09/07/2001

TIME: 16:58:25

Input Set : A:\ES.txt

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L:40 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1

L:182 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10